

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> 8K2	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> HARPER	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 1427	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>DATED</u> 05/21/2020	<u>MAG VAR</u> 7E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 258/30 CW 077/30	NOPT	258/10 CW 077/10		3200
2. 258/10 CW 077/10		ZADEM	IF/IAF	3000
3. 077/30 CW 168/30		HALOP	IAF	3600
4. 168/30 CW 258/30		SCENA	IAF	3300

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
HALOP	IAF	ZADEM	NOPT	TF	FB	1.00	077.47	5.00	3000
SCENA	IAF	ZADEM	NOPT	TF	FB	1.00	257.61	5.00	3000
ZADEM	IF/IAF	JAGDO		TF	FB	1.00	347.55	5.84	2900
JAGDO	FAF	TODDR/2.42 NM TO RW35		TF	FB	0.30	347.55	1.74	
TODDR/2.42 NM TO RW35		RW35	MAP	TF	FO	0.30	347.55	2.42	
RW35	MAP	1827 MSL		CA			347.55		
1827 MSL		ZADEM		DF	FO	1.00			3000

MISSED APPROACH

MAP:

RW35

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 3000 DIRECT ZADEM AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S ZADEM, RT, 347.55 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 347.55	FAF: JAGDO		DIST FAF TO MAP: 4.16	DIST FAF TO THLD:	
4. MIN ALT: ZADEM 3000, JAGDO 2900, TODDR/2.42 NM TO RW35 2300					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF:		TCH:	OM:	MM: IM:
7. GP ANGLE:	34:1:	20:1:			
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: CIRCLING NA TO RWYS 12 AND 30.
 CHART NOTE: USE ICT ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART ICT ASOS.
 CHART FAS OBST: 1557 TREE 371524N/0980203W.
 JAGDO TO RW35: 3.25/40.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
CIRCLING	2020	1	593	2020	1	593										

CHANGES - REASONS

- TAA SECTORS 1 AND 2: CHANGED ENDING ARC BOUNDARY FROM 078 TO 077 - TO MATCH COURSE ON INITIAL FROM HALOP.
- TAA SECTOR 3: CHANGED STARTING ARC BOUNDARY FROM 078 TO 077 - TO MATCH COURSE ON INITIAL FROM HALOP.
- TAA SECTOR 4: INCREASED MINIMUM ALTITUDE FROM 3200 TO 3300 - NEW CONTROLLING OBSTACLE.
- TERMINAL ROUTES, JAGDO TO TODDR: ADDED WAYPOINT TYPE FB - INADVERTANTLY OMITTED, 8260.19J PARA 8-6-4.A.(6)(A).
- TERMINAL ROUTES, TODDR TO RW35: ADDED RNP 0.30 - INADVERTANTLY OMITTED, 8260.19J PARA 8-6-4.A.(6)(B).
- PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - ADDED REQUIRED SENSOR, 8260.19J PARA 8-6-8.D.(2)(B) AND 8-6-8.D.(5)(A)1.
- NOTES: CHANGED ALTIMETER NOTE FROM "USE WICHITA DWIGHT D EISENHOWER NATIONAL ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA" TO "USE ICT ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA" - REFORMATTED AIRPORT NAME TO LOCATION ID.
- ADDITIONAL FLIGHT DATA: CHANGED "CHART WICHITA DWIGHT D EISENHOWER NATIONAL ASOS" TO "CHART ICT ASOS" - REFORMATTED AIRPORT NAME TO LOCATION ID.
- ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "1539 TREE 371521N/0980203W" TO "1557 TREE 371524N/0980203W" - NEW CONTROLLING OBSTACLE.
- ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" - AJV-A POLICY MEMO, REMOVAL OF CIRCLING ICONS, 5/15/25.



AIRPORT ID
8K2

PROCEDURE NAME
RNAV (GPS)-A

ORIGINAL/AMENDMENT
ORIG-A

CITY
HARPER

STATE
KS

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZKC, ICT AFSS, APT MNGR

FLIGHT CHECKED BY

COLTON CROWDER

Digitally signed by

RAKE MCGRAW

Aug 13, 2025

Digitally signed by

RAKE MCGRAW

Aug 13, 2025

OFFICE

AJF

DATE

08/12/2025

DEVELOPED BY

RICHARD BRUCE

Digitally signed by

RAKE MCGRAW

Aug 13, 2025

OFFICE

AJV-A420

DATE

06/17/2025

APPROVED BY

BEV L BORDY

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> 8K2	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>AMDT NO.</u> ORIG-A	<u>CITY</u> HARPER	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1427	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 258/30 CW 077/30	TO 258/10 CW 077/10
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (40-002368)	364706.11N/0983302.28W	2140	500	50	5D	1000					3200
TERRAIN	370324.00N/0983839.00W	1502 (1500)								AS1500	3000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 258/10 CW 077/10	TO ZADEM
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001370)	370352.00N/0980229.00W	1715	500	50	5D	1000				AT285	3000
TERRAIN	370257.00N/0980315.00W	1420 (1400)								AS1500	2900

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
8K2

PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
ORIG-A

CITY
HARPER

STATE
KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

LEFT BASE AREA

FROM
077/30 CW 168/30

TO
HALOP

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001586)	372310.00N/0981544.00W	2534	50	20	2C	1000					3600
TERRAIN	370715.00N/0984503.00W	1876 (1900)								AS1500	3400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
168/30 CW 258/30

TO
SCENA

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (20-079400)	372335.77N/0980248.04W	2215	250	50	4D	1000					3300
TERRAIN	373357.00N/0980439.00W	1627 (1600)								AS1500	3100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
8K2

PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
ORIG-A

CITY
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KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

INITIAL

FROM
HALOP

TO
ZADEM

RNP
1.00

DISTANCE
5.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	370418.00N/0980600.00W	1615	215	8	4B	1000				AT385	3000
TERRAIN	370415.00N/0980600.00W	1414 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
SCENA

TO
ZADEM

RNP
1.00

DISTANCE
5.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	370427.00N/0980127.00W	1582	215	8	4B	1000				AT418	3000
TERRAIN	370427.00N/0980127.00W	1381 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
8K2

PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
ORIG-A

CITY
HARPER

STATE
KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

INTERMEDIATE

FROM
ZADEM (IF/IAF)

TO
JAGDO

RNP
1.00

DISTANCE
5.84

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-000722)	370944.00N/0980135.00W	1620	500	50	5D	500					2200
TERRAIN	371203.00N/0980157.00W	1407 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
JAGDO

TO
TODDR/2.42 NM TO RW35

RNP
0.30

DISTANCE
1.74

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001384)	371332.00N/0980152.90W	1728	250	50	4D	250				AC50 RA98 DG174	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
8K2

PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
ORIG-A

CITY
HARPER

STATE
KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
TODDR/2.42 NM TO RW35

TO
RW35

RNP
0.30

DISTANCE
2.42

PAT

MAP
RW35

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	371524.00N/0980203.00W	1557	215	8	4B	250				RA98	1920

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
ZADEM

TO
P-5

RNP

DISTANCE

PAT
P-5

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001370)	370352.00N/0980229.00W	1715	500	50	5D	1000				AT285	3000
TERRAIN	370257.00N/0980315.00W	1420 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
8K2

PROCEDURE NAME
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CITY
HARPER

STATE
KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZKC ARTCC, ICT APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	ICT	24	ICT	36.67	Y	98

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
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WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
8K2 1427, ICT 1333
RA = 97.7.
NO SUITABLE BACKUP ALTIMETER SOURCE AVAILABLE.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW12		
RW30		
RW17 - HIRL (PCL), PAPI-2L (PCL)	BSC-G	
RW35 - HIRL (PCL), PAPI-2L (PCL)	BSC-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.25	58.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

Empty box for Penetrations Remarks.



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - REMOTE PRIMARY ALTIMETER, CIRCLING-ONLY.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PROCEDURE BUILT TO VDA/TCH 3.25/40 FT.
PROCEDURE CIRCLING-ONLY: BASIC RUNWAY MARKINGS.
CIRCLING NA TO RWYS 12 AND 30: ENVIRONMENTAL (TURF RWYS).
PROCEDURE NA AT NIGHT: NO SURVEY, UNABLE TO VERIFY VISUAL SURFACES CLEAR.
VEGETATION HEIGHT: 100 FT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.67
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	354.55
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1500
DISTANCE FROM	THLD	TO 1500FT POINT	9.70
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	354.55
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1400

THRESHOLD COORDINATES (IF STR-IN) 371622.81N/0980233.11W
ARP COORDINATES 371641.47N/0980236.52W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 35 DISTANCE 0.31 NM
FAF COORDINATES 371214.02N/0980203.43W
FIX NAME COORDINATES IF/IAF ZADEM 370624.92N/0980121.82W,
IAF SCENA 370653.28N/0975508.44W,
IAF HALOP 370556.13N/0980735.14W

REMARKS

30 NM RADIUS.
NO ADDITIONAL AIRSPACE REQUIRED.
IF/IAF ZADEM: 370624.92N/0980121.82W, IAF SCENA: 370653.28N/0975508.44W, IAF HALOP: 370556.13N/0980735.14W



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PROCEDURE NAME
RNAV (GPS)-A

AMDT NO.
ORIG-A

CITY
HARPER

STATE
KS

AIRPORT ELEVATION
1427

FACILITY
RNAV

PART E: PREPARED BY

NAME

RICHARD BRUCE

OFFICE

AJV-A422

DATE

06/17/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

